Claims

1. A method for informing a lawful interception system
5   of the serving system
            serving an intercepted target (MS)
                  roaming within a communication network
            system,
      the communication network system comprising
10   at least one serving system
      each serving system comprising
            at least one serving system node (SGSN) serving
      the intercepted target for communication,
the method comprising the steps of:
15   first detecting a serving system node change request
(1.) from the intercepted target (MS) towards a new serving
system node which is currently not serving the target,
      first processing said serving system node change
request at said new serving system node currently not
20 serving the target, wherein said processing comprises the
inclusion, to the request, of a serving system address of
the new serving system node currently not serving the
target, and
      first forwarding said processed request (2.) to an old
25 serving system node currently serving the target.

2. A method according to claim 1, wherein
      said old serving system node currently serving the
target informs the interception system of the serving
30 system address of the new serving system node.

3. A method according to claim 1, further comprising
      second detecting at least one active communication
context for said target, and in response thereto,

generating a communication context update request to which is included the serving system address of the new serving system node currently not serving the target, and

second forwarding said generated request (6.) to a

5   gateway serving system node (GGSN) of the serving system currently serving the intercepted target.

4. A method according to claim 3, wherein

said gateway serving system node (GGSN) informs the

10   interception system of the serving system address of the new serving system node.

5. A method according to claim 1, 2, 3, or 4, wherein

said serving system address of the new serving system

15   node represents information about the serving system to which said new serving node belongs.

6. A method according to claim 5, wherein

said information about the serving system to which

20   said new serving node belongs comprises at least one of the following information items: serving node MSISDN number, serving node routing area identifier, serving node address.

7. A method according to claim 6, wherein

25   said serving node routing area identifier contains information items representative of a mobile country code MCC, mobile network code MNC, location area code LAC, and routing area code RAC.

30   8. A serving system node of a serving system,

the serving system node

being adapted to serve an intercepted target (MS) for communication, and

being connectable to a lawful interception

35   system,

the serving system node comprising:

first detection means adapted for first detecting a
serving system node change request (1.) from the
intercepted target (MS),

first processing means adapted for first processing
said serving system node change request, wherein said
processing is adapted to include, to the request, a serving
system address of the serving system node, and

first forwarding means adapted for first forwarding
said processed request (2.) to another serving system node
currently serving the target.

9. A serving system node according to claim 8, comprising
informing means adapted to inform the interception
system of the serving system address of a new serving
system node, said informing means being active in case said
serving system node is currently serving the target.

10. A serving system node according to claim 8, further
comprising
second detection means adapted for second detecting at
least one active communication context for said target, and
generation means, controlled by said second detection
means, and adapted for generating a communication context
update request to which is included the serving system
address of the serving system node, and
second forwarding means adapted for second forwarding
said generated request (6.) to a gateway serving system
node (GGSN) of the serving system currently serving the
intercepted target.

11. A serving system node according to claim 8, 9, or 10,
wherein

said serving system address of the serving system node represents information about the serving system to which said new serving node belongs.

5   12. A serving system node according to claim 11, wherein said information about the serving system to which said serving node belongs comprises at least one of the following information items: serving node MSISDN number, serving node routing area identifier, serving node address.

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13. A serving system node according to claim 12, wherein said serving node routing area identifier contains information items representative of a mobile country code MCC, mobile network code MNC, location area code LAC, and
15   routing area code RAC.